

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IC20 Rec'd PCT/PTO 24 OCT 2005

In re Patent Application of	)	
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Shunsuke OIKE et al.	)	Group Art Unit:
	)	
Application No.:	)	Examiner:
	)	
Filed: October 24, 2005	)	Confirmation No.:
	)	
For: COATING LIQUID FOR FORMING	)	
POROUS SILICA	)	

### FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were either cited in the specification or the International Search Report in the corresponding PCT application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. Copies of the documents cited only in the specification are provided herewith. However, copies of the documents cited in the Search Report are not provided as it is understood that the actual citations have already been transmitted by the International Bureau. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC  
(INCLUDING ATTORNEYS FROM BURNS, DOANE, SWECKER & MATHIS)

Date October 24, 2005

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Substitute for form 1449A/PTO & 1449B/PTO		Complete if Known	
<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	807554233
		Filing Date	October 24, 2005
		First Named Inventor	Shunsuke OIKE et al.
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	018765-230	

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	2002/042210	A1	Mandal et al.	04-11-2002

FOREIGN PATENT DOCUMENTS											
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	2000-159509	A	JP	06-13-2000				X			
	2001-294417	A	JP	10-23-2001				X			
	91/11390*	A2	WO	08-08-1991							X
	2002-26003*	A	JP (corres to US 2002/042210)	01-25-2002							X

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	YANAGISAWA et al., "The Preparation of Alkyltrimethylammonium-Kanemite Complexes and Their Conversion to Microporous Materials," <i>Bull. Chem. Soc. Jpn.</i> , 1990, p 988, Vol. 63, No. 4, The Chemical Society of Japan*
	YANG et al., "Synthesis of oriented films of mesoporous silica on mica," <i>Nature</i> , February 22, 1996, p 703, Vol. 379*
	MIYATA et al., "Preferred Alignment of Mesochannels in a Mesoporous Silica Film Grown on a Silicon (110) Surface," <i>J. Am. Chem. Soc.</i> , 1999, p 7618, Vol. 121, American Chemical Society*
	OGAWA, "A simple sol-gel route for the preparation of silica-surfactant mesostructured materials," <i>Chem. Commun.</i> , 1996, p 1149*
	OGAWA, "Preparation of transparent thin films of silica-surfactant mesostructured materials," <i>Supramolecular Science</i> , 1998, p 247, Vol. 5, Nos. 3-4, Elsevier Science Limited, Great Britain*
	ZHAO et al., "Continuous Mesoporous Silica Films with Highly Ordered Large Pore Structures," <i>Adv. Mater.</i> , 1998, p 1380, Vol. 10, No. 16, Wiley-VCH Verlag GmbH, Weinheim, Germany*
	LU et al., "Continuous formation of supported cubic and hexagonal mesoporous films by sol-gel dip-coating," <i>Nature</i> , September 25, 1997, p 364, Vol. 389*
	LU et al., "Aerosol-assisted self-assembly of mesostructured spherical nanoparticles," <i>Nature</i> , March 18, 1999, p 223, Vol. 398*
	KRUK et al., "New insights into pore-size expansion of mesoporous silicates using long-chain amines," <i>Microporous and Mesoporous Materials</i> , 2000, p 545, Vol. 35-36, Elsevier Science B.V.*

\*Copy attached.

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.